



(19)

(11) Publication number:

07135967 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 05284893

(51) Int'l. Cl.: C12N 5/04 A61K 31/335 C12P 17/00

(22) Application date: 15.11.93

(30) Priority:

(43) Date of application
publication: 30.05.95

(84) Designated contracting
states:

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(54) PREPARATION OF CULTURED CELL HAVING HIGH PRODUCTIVITY OF TAXANE-TYPE DITERPENE

(57) Abstract:

PURPOSE: To easily obtain cultured cell having high productivity of taxane-type diterpene by fractionating cultured cells of a plant capable of producing taxane-type diterpene taking advantage of specific gravity difference, culturing the fractionated cell and selecting cells having high productivity of taxane-type diterpene from the cultured cells.

CONSTITUTION: Cultured cells of a plant capable of producing taxane-type diterpene (e.g. plant of the genus *Taxus*) are separated into plural groups taking advantage of specific gravity difference in the specific gravity range of usually 1.00-1.20g/mL, preferably 1.03-1.11g/mL. Cells included in at least one group (usually having a specific gravity of ≤ 1.07) are cultured and cells having high productivity of taxane-type diterpene are selected from the cultured cells.

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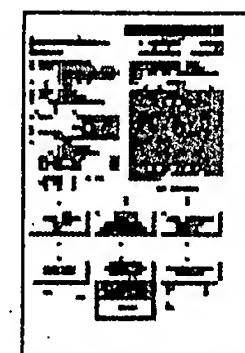
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>Title: **JP7135967A2: PREPARATION OF CULTURED CELL HAVING HIGH PRODUCTIVITY OF TAXANE-TYPE DITERPENE**

Country: JP Japan

Kind: A

Inventor: YUKIMUNE TAKAHITO;
AZUMA YASUOKE;
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TABATA HOMARE;



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Assignee: MITSUI PETROCHEM IND LTD
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Published / Filed: May 30, 1995 / Nov. 15, 1993

Application Number: JP1993000002848

IPC Code: C12N 5/04; A61K 31/335; C12P 17/00; C12P 17/00;

Priority Number: Nov. 15, 1993 [JP1993000932848](#)
Jan. 11, 1993 [JP1993000002848](#)

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Designated Country: CA CN EP KR US DE FR GB IT NL

Family:

PDF	Publication	Pub. Date	Filed	Title
	WO9514103A1	May 26, 1995	Nov. 9, 1994	PROCESS FOR PRODUCING TAXANE DITERPENE AND METHOD OF HARVESTING CULTURED CELL CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
	US20020012976A1	Jan. 31, 2002	April 28, 1999	METHOD OF PRODUCING A TAXANE-TYPE DITERPENE AND A METHOD OF OBTAINING CULTURED CELLS WHICH PRODUCE THE TAXANE-TYPE DITERPENE AT A HIGH RATE

	<u>US6403343</u>	June 11, 2002		
2+	<u>US6403343</u>	June 11, 2002	April 28, 1999	Method of producing a taxane-type diterpene and a method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>US5968789</u>	Oct. 19, 1999	Feb. 28, 1997	Method of producing a taxane-type diterpene and a method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>US5637484</u>	June 10, 1997	July 14, 1995	Method of producing a taxane-type diterpene and a method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
	<u>KR0172606B1</u>	Feb. 1, 1999	July 5, 1995	PROCESS FOR PRODUCING TAXANE DITERPENE
	<u>KR0169081B1</u>	Jan. 15, 1999	June 18, 1998	METHOD OF HARVESTING CULTURED CELLS CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
	<u>KR0169080B1</u>	Jan. 15, 1999	June 18, 1998	PROCESS FOR PRODUCING TAXANE DITERPENE
	<u>KR0169079B1</u>	Jan. 15, 1999	June 18, 1998	PROCESS FOR PRODUCING TAXANE DITERPENE
	<u>JP8116981A2</u>	May 14, 1996	Oct. 18, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	<u>JP8056681A2</u>	March 5, 1996	Aug. 25, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	<u>JP8056680A2</u>	March 5, 1996	Aug. 25, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	<u>JP8033490A2</u>	Feb. 6, 1996	March 7, 1995	PRODUCTION OF TAXANE-TYPE DITERPENE
	<u>JP8009983A2</u>	Jan. 16, 1996	June 28, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	<u>JP7308197A2</u>	Nov. 28, 1995	May 18, 1994	PRODUCTION OF TAXANE TYPE DITERPENE
	<u>JP7308196A2</u>	Nov. 28, 1995	May 18, 1994	PRODUCTION OF TAXANE TYPE DITERPENE
	<u>JP7135967A2</u>	May 30, 1995	Nov. 15, 1993	PREPARATION OF CULTURED CELL HAVING HIGH PRODUCTIVITY OF TAXANE-TYPE DITERPENE
	<u>JP2967034B2</u>	Oct. 25, 1999		
2+	<u>EP1063300A3</u>	Jan. 2, 2002	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>EP1063300A2</u>	Dec. 27, 2000	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>EP1063299A3</u>	Jan. 2, 2002	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>EP1063299A2</u>	Dec. 27, 2000	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
2+	<u>EP1054065B1</u>	July 31, 2002	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate

<u>EP1054065A1</u>	Nov. 22, 2000	Nov. 9, 1994	A method of producing a taxane-type diterpene and method of obtaining cultured cells which produce the taxane-type diterpene at a high rate
<u>EP0683232B1</u>	Feb. 14, 2001	Nov. 9, 1994	PROCESS FOR PRODUCING TAXANE DITERPENE AND METHOD OF HARVESTING CULTURED CELL CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
<u>EP0683232A4</u>	Nov. 29, 1995	Nov. 9, 1994	
<u>EP0683232A1</u>	Nov. 22, 1995	Nov. 9, 1994	PROCESS FOR PRODUCING TAXANE DITERPENE AND METHOD OF HARVESTING CULTURED CELL CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
<u>DE69431135C0</u>	Sept. 5, 2002	Nov. 9, 1994	METHODE ZUR HERSTELLUNG VON TAXAN-TYP DITERPEN UND METHODE ZUR GEWINNUNG VON KULTURZELLEN DIE TAXAN-TYP DITERPEN IN HOHEN AUSBEUTEN HERSTELLEN
<u>DE69426692T2</u>	June 21, 2001	Nov. 9, 1994	METHODE ZUR HERSTELLUNG VON TAXAN-DITERPEN UND METHODE ZUM EINTEN VON KULTURZELLEN, DIE TAXAN-DITERPEN IN HOHEN AUSBEUTEN HERSTELLEN
<u>DE69426692C0</u>	March 22, 2001	Nov. 9, 1994	METHODE ZUR HERSTELLUNG VON TAXAN-DITERPEN UND METHODE ZUM EINTEN VON KULTURZELLEN, DIE TAXAN-DITERPEN IN HOHEN AUSBEUTEN HERSTELLEN
<u>CN1251391A</u>	April 26, 2000	June 30, 1999	METHOD FOR OBTAINING HIGH-PRODUCTIVE CULTURE CELLS OF TAXIANES DITERPENE
<u>CN1248630A</u>	March 29, 2000	June 30, 1999	PROCESS FOR PRODUCING TAXUS ALKANE DITERPENE
<u>CN1248629A</u>	March 29, 2000	June 30, 1999	PROCESS FOR PRODUCING TAXUS ALKANE DITERPENE
<u>CN1119028A</u>	March 20, 1996	Nov. 9, 1994	PROCESS FOR PRODUCING TAXANE DITERPENE AND METHOD OF HARVESTING CULTURED CELL CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
<u>CN1083012B</u>	April 17, 2002	June 30, 1999	PROCESS FOR PRODUCING TAXANES DITERPENE
<u>CN1083011B</u>	April 17, 2002	June 30, 1999	METHOD FOR OBTAINING HIGH-PRODUCTION CULTURE CELLS OF TAXANES DITERPENE
<u>CN1083010B</u>	April 17, 2002	June 30, 1999	PROCESS FOR PRODUCING TAXUES ALKANE DITERPENE
<u>CN1058054B</u>	Nov. 1, 2000	Nov. 9, 1994	PROCESS FOR PRODUCING TAXANE DITERPENE AND METHOD OF HARVESTING CULTURED CELL CAPABLE OF PRODUCING TAXANE DITERPENE IN HIGH YIELD
<u>CA2153986AA</u>	May 26, 1995	Nov. 9, 1994	A METHOD OF PRODUCING A TAXANE-TYPE DITERPENE AND A METHOD OF OBTAINING CULTURED CELLS WHICH PRODUCE THE TAXANE-TYPE DITERPENE AT A HIGH RATE

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